STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/563,826
Source: IFW P
Date Processed by STIC: 9/26/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**http://www.uspto.gov/ebc/efs/downloads/documents.htm**>, **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):** U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED | **SUGGESTED CORRECTION** | **SERIAL NUMBER:** 10/563,826

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1	Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2	Invalid Line Length	The rules require that a line **not exceed** 72 characters in length. This includes white spaces.
3	Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.
4	Non-ASCII	The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**
5	Variable Length	Sequence(s)____contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6	PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
7	Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.
8	Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If **intentional**, please insert the following lines for **each** skipped sequence. <210> sequence id number <400> sequence id number 000
9	Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.
10	Invalid <213> Response	Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence. (see item 11 below)
11	Use of <220>	Sequence(s) ____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules
12	PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13	Misuse of n/Xaa	"n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid

AMC – STIC Systems Branch – 03/02/06

IFWP

RAW SEQUENCE LISTING DATE: 09/26/2006
PATENT APPLICATION: **US/10/563,826** TIME: 10:24:13

Input Set : **A:\2006-07-10 0365-0662PUS1.txt**
Output Set: **N:\CRF4\09262006\J563826.raw**

```
 5 <110> APPLICANT: LINDER, Markus et al.
 7 <120> TITLE OF INVENTION: A METHOD FOR CLEAVING PROTEINS
 9 <130> FILE REFERENCE: 0365-0662PUS1
11 <140> CURRENT APPLICATION NUMBER: 10/563,826
12 <141> CURRENT FILING DATE: 2006-01-06
14 <150> PRIOR APPLICATION NUMBER: PCT/FI04/00439
15 <151> PRIOR FILING DATE: 2004-07-08
17 <150> PRIOR APPLICATION NUMBER: 2001050
18 <151> PRIOR FILING DATE: 2003-07-09
20 <160> NUMBER OF SEQ ID NOS: 30
22 <170> SOFTWARE: PatentIn version 3.1
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 22
26 <212> TYPE: PRT
27 <213> ORGANISM: Artificial Sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: amino acid linker sequence from Fig. 2
32 <400> SEQUENCE: 1
33 Gly Ser Pro Thr Gly Ala Ser Thr His His His His His His Gly Ser
34 1               5                  10                  15
36 Pro Thr Gly Ala Ser Thr
37             20
40 <210> SEQ ID NO: 2
41 <211> LENGTH: 22
42 <212> TYPE: PRT
43 <213> ORGANISM: Artificial Sequence
45 <220> FEATURE:
46 <223> OTHER INFORMATION: amino acid sequence from Fig. 3
48 <400> SEQUENCE: 2
49 Gly Ser Pro Thr Gly Ala Ser Thr Gly Gly Gly Gly Gly Gly Gly Ser
50 1               5                  10                  15
53 Pro Thr Gly Ala Ser Thr
54             20
57 <210> SEQ ID NO: 3
58 <211> LENGTH: 22
59 <212> TYPE: PRT
60 <213> ORGANISM: Artificial Sequence
62 <220> FEATURE:
63 <223> OTHER INFORMATION: amino acid sequence from Fig. 4
65 <400> SEQUENCE: 3
66 Gly Ser Pro Thr Gly Ala Ser Thr His His His His His His Gly Ser
67 1               5                  10                  15
70 Pro Thr Gly Ala Ser Thr
```

seq pp 1-3

Does Not Comply
Corrected Diskette Needed

insufficient explanation - give source of genetic material (see item 11 on Error Summary Sheet)

same error

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```
71              20
74 <210> SEQ ID NO: 4
75 <211> LENGTH: 22
76 <212> TYPE: PRT
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: amino acid sequence from Fig. 5
82 <400> SEQUENCE: 4
83 Gly Ser Pro Thr Gly Ala Ser Thr Gly Ser Thr Gly Pro Ser Gly Ser
84 1               5                  10                  15
87 Pro Thr Gly Ala Ser Thr
88              20
91 <210> SEQ ID NO: 5
92 <211> LENGTH: 20
93 <212> TYPE: PRT
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: amino acid sequence from Fig. 6
99 <400> SEQUENCE: 5
100 Gly Ser Pro Thr Gly Ala Ser Thr His His His His Gly Ser Pro Thr
101 1               5                  10                  15
104 Gly Ala Ser Thr
105             20
108 <210> SEQ ID NO: 6
109 <211> LENGTH: 18
110 <212> TYPE: PRT
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: amino acid sequence from Fig. 7
116 <400> SEQUENCE: 6
117 Gly Ser Pro Thr Gly Ala Ser Thr His His Gly Ser Pro Thr Gly Ala
118 1               5                  10                  15
121 Ser Thr
125 <210> SEQ ID NO: 7
126 <211> LENGTH: 24
127 <212> TYPE: PRT
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: amino acid sequence from Fig. 8
133 <400> SEQUENCE: 7
134 Gly Ser Pro Thr Gly Ala Ser Thr His His His His His His His His
135 1               5                  10                  15
138 Gly Ser Pro Thr Gly Ala Ser Thr
139             20
142 <210> SEQ ID NO: 8
143 <211> LENGTH: 27
144 <212> TYPE: PRT
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
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Output Set: **N:\CRF4\09262006\J563826.raw**

148 <223> OTHER INFORMATION: amino acid sequence from Fig. 9
150 <400> SEQUENCE: 8
151 Gly Ser Pro Thr Gly Ala Ser Thr His Ser His Ala His Gly His Ala
152 1 5 10 15
155 His Ser His Gly Ser Pro Thr Gly Ala Ser Thr
156 20 25
159 <210> SEQ ID NO: 9
160 <211> LENGTH: 12
161 <212> TYPE: PRT
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: amino acid sequence referred to by Fig. 18
167 <400> SEQUENCE: 9
168 His Ser His Ala His Gly His Ala His Ser His Gly
169 1 5 10
172 <210> SEQ ID NO: 10
173 <211> LENGTH: 40
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: oligonucleotide used to PCR amplify the DNA fragment
179 encoding ABP
181 <400> SEQUENCE: 10
182 gcattggatt cgaattctta gctgaagcta aagtcttagc 40
185 <210> SEQ ID NO: 11
186 <211> LENGTH: 34
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: oligonucleotide used to PCR amplify the DNA fragment
192 encoding ABP
194 <400> SEQUENCE: 11
195 gcattaagct tctattcgct ttttgccgga gtag 34
198 <210> SEQ ID NO: 12
199 <211> LENGTH: 69
200 <212> TYPE: DNA
201 <213> ORGANISM: Artificial sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: oligonucleotide used to generate pLink2
206 <400> SEQUENCE: 12
207 cgggtagccc aaccggcgcg agcacccatc accatcacca tcacggtagc ccaaccggcg 60
209 cgagcaccg 69
212 <210> SEQ ID NO: 13
213 <211> LENGTH: 77
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: oligonucleotide used to generate pLink2
220 <400> SEQUENCE: 13

same error in Sequence 28-30, too

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221 aattcggtgc tcgcgccggt tgggctaccg tgatggtgat ggtgatgggt gctcgcgccg 60
223 gttgggctac ccgagct 77
226 <210> SEQ ID NO: 14
227 <211> LENGTH: 69
228 <212> TYPE: DNA
229 <213> ORGANISM: Artificial sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: oligonucleotide used to generate pLink3
234 <400> SEQUENCE: 14
235 cgggtagccc aaccggcgcg agcaccggcg gtggtggtgg cggcggtagc ccaaccggcg 60
237 cgagcaccg 69
240 <210> SEQ ID NO: 15
241 <211> LENGTH: 77
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: oligonucleotide used to generate pLink3
248 <400> SEQUENCE: 15
249 aattcggtgc tcgcgccggt tgggctaccg ccgccaccac cagggccggt gctcgcgccg 60
251 gttgggctac ccgagct 77
254 <210> SEQ ID NO: 16
255 <211> LENGTH: 33
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial sequence
259 <220> FEATURE:
260 <223> OTHER INFORMATION: oligonucleotide used to generate pLink6
262 <400> SEQUENCE: 16
263 gcattgaatt cgacccctcc aaggactcga agg 33
266 <210> SEQ ID NO: 17
267 <211> LENGTH: 33
268 <212> TYPE: DNA
269 <213> ORGANISM: Artificial sequence
271 <220> FEATURE:
272 <223> OTHER INFORMATION: oligonucleotide used to generate pLink6
274 <400> SEQUENCE: 17
275 gcattaagct tctactgctg aacggcgtcg agc 33
278 <210> SEQ ID NO: 18
279 <211> LENGTH: 69
280 <212> TYPE: DNA
281 <213> ORGANISM: Artificial sequence
283 <220> FEATURE:
284 <223> OTHER INFORMATION: oligonucleotide used to generate pLink7
286 <400> SEQUENCE: 18
287 cgggtagccc aaccggcgcg agcaccggca gcaccggtcc aagcggtagc ccaaccggcg 60
289 cgagcaccg 69
292 <210> SEQ ID NO: 19
293 <211> LENGTH: 77
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial sequence

RAW SEQUENCE LISTING DATE: 09/26/2006
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Output Set: **N:\CRF4\09262006\J563826.raw**

297 <220> FEATURE:
298 <223> OTHER INFORMATION: oligonucleotide used to generate pLink7
300 <400> SEQUENCE: 19
301 aattcggtgc tcgcgccggt tgggctaccg cttggaccgg tgctgccggt gctcgcgccg 60
303 gttgggctac ccgagct 77
306 <210> SEQ ID NO: 20
307 <211> LENGTH: 63
308 <212> TYPE: DNA
309 <213> ORGANISM: Artificial sequence
311 <220> FEATURE:
312 <223> OTHER INFORMATION: oligonucleotide used to generate pLink8
314 <400> SEQUENCE: 20
315 cgggtagccc aaccggcgcg agcacccatc accatcacgg tagcccaacc ggcgcgagca 60
317 ccg 63
320 <210> SEQ ID NO: 21
321 <211> LENGTH: 67
322 <212> TYPE: DNA
323 <213> ORGANISM: Artificial sequence
325 <220> FEATURE:
326 <223> OTHER INFORMATION: oligonucleotide used to generate pLink8
328 <400> SEQUENCE: 21
329 aattcggtgc tcgcgccggt tgggctaccg tgatggtgat gggtgctcgc gccggttggg 60
331 ctacccg 67
334 <210> SEQ ID NO: 22
335 <211> LENGTH: 56
336 <212> TYPE: DNA
337 <213> ORGANISM: Artificial sequence
339 <220> FEATURE:
340 <223> OTHER INFORMATION: oligonucleotide used to generate pLink10
342 <400> SEQUENCE: 22
343 cgggtagccc aaccggcgcg agcacccatc acggtagccc aaccggcgcg agcacc 56
346 <210> SEQ ID NO: 23
347 <211> LENGTH: 65
348 <212> TYPE: DNA
349 <213> ORGANISM: Artificial sequence
351 <220> FEATURE:
352 <223> OTHER INFORMATION: oligonucleotide used to generate pLink10
354 <400> SEQUENCE: 23
355 aattcggtgc tcgcgccggt tgggctaccg tgatgggtgc tcgcgccggt tgggctaccc 60
357 gagct 65
360 <210> SEQ ID NO: 24
361 <211> LENGTH: 75
362 <212> TYPE: DNA
363 <213> ORGANISM: Artificial sequence
365 <220> FEATURE:
366 <223> OTHER INFORMATION: oligonucleotide used to generate pLink12
368 <400> SEQUENCE: 24
369 cgggtagccc aaccggcgcg agcacccacc atcaccatca ccatcaccat ggtagcccaa 60
371 ccggcgcgag caccg 75

VERIFICATION SUMMARY DATE: 09/26/2006
PATENT APPLICATION: **US/10/563,826** TIME: 10:24:14

Input Set : **A:\2006-07-10 0365-0662PUS1.txt**
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